

**VIRTUAL FINGER METHOD AND APPARATUS FOR PROCESSING
DIGITAL COMMUNICATION SIGNALS**

ABSTRACT OF THE DISCLOSURE

5 An apparatus and method for demodulation of a composite signal containing a plurality of multi-path components use a virtual finger. The method includes buffering digital samples of a signal into a first memory element, randomly accessing the digital samples from the first memory element to correlate a particular multi-path component from the 10 signal, and iteratively accumulating the correlated particular multi-path component into a second memory element.